

## CityEthernet

### Service Overview

CityEthernet is an Ethernet Virtual Private Line (EVPL) which consists of a single Provider Ethernet Virtual Circuit (EVC), traditionally referred to as a VLAN, between the service provider's aggregation port and the end user port at the customer premises (known in MEF terms as User Network Interfaces or UNI).

CityEthernet can be ordered bundled with internet transit or as a service to interconnect your premises.

The bandwidth ordered over the EVC is set as the Committed Information Rate (CIR) which provides your business with the ability to deliver Quality of Service (QoS) dependent applications like voice and video to your end users.

CityEthernet preserves Customer Edge VLAN (CE-VLAN) and Customer Edge Class of Service (CE-VLAN CoS) IDs.

Services are available in a range of speeds from 10 Mbps up to 1 Gbps, to meet the ever-growing demand for bandwidth, supported by aggregation ports up to 10 Gbps.

### Further Information

For further information on CityEthernet please call 1300 139 550 or email [sales@highway1.com.au](mailto:sales@highway1.com.au).



### Technical Specifications

UNI Service Attribute	Service Attribute Parameters + Values
Physical medium	IEEE 802.3-2002 physical interface
Interface speed	10 Mbps, 100 Mbps, 1 Gbps
Mode	Full duplex
MAC layer	IEEE 802.3-2002
UNI MTU size	2000
Service multiplexing	Yes, supported at the aggregation port
Bundling	No
All to one bundling	No
CE-VLAN ID for untagged and priority frames	MUST specify CE-VLAN ID for untagged and priority tagged service frames
Maximum number of EVCs	1
Layer 2 control protocol processing	<b>Protocol - Action</b> STP, RSTP, MSTP - Discard PAUSE (802.3x) Discard LACP, LAMP Discard Link OAM - Discard Port Authentication (802.1x) - Discard E-LMI - Discard LLDP - Discard GARP, MRP Block - Discard
EVC per UNI Service Attribute	Service Attribute Parameters and Values
Ingress bandwidth profile per EVC	CIR: SPEED in Mbps PURCHASED CBS: 2001 bytes EIR: 0 EBS: 0 CM: 'False' (colour blind) CF: Not specified (colour mode is colour blind)
EVC Service Attribute	Service Attribute Parameters and Values
EVC type	Point-to-Point
MAC address limit	None
Maximum number of UNIs	2
EVC MTU size	2000
CoS Level	Standard
CE-VLAN ID preservation	Yes
CE-VLAN CoS preservation	Yes
Unicast service frame delivery	Deliver unconditionally
Multicast service frame delivery	Deliver unconditionally
Broadcast service frame delivery	Deliver unconditionally
Service Performance Parameter	Service Attribute Parameters and Values
Target availability	99.95%